

Express Mail" mailing number: EV 501 978 468 US  
Date of Deposit December 14, 2004  
I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Gayle W. Chaney  
Gayle W. Chaney

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Doerr et al.

Group Art Unit: 2819

**Serial No.: 10/650,493**

Examiner: Young, Brian K.

Filed: August 28, 2003

Docket No.: 1406/163

Confirmation No.: 6981

For: SIGMA-DELTA-MODULATOR

\*\*\*\*\*

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.56, 1.97, and 1.98, applicants' undersigned attorney brings to the attention of the Patent and Trademark Office the documents listed on the attached Form PTO-1449. Copies of the references as well as Form PTO-1449 are attached hereto. This is not to be construed as a representation that a search has been made or that a reference is relevant merely because cited.

Serial. No. 10/650,493

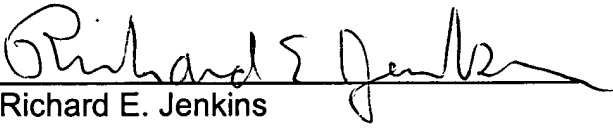
Early passage of the subject application to issue is earnestly solicited.

Respectfully submitted,

JENKINS, WILSON & TAYLOR, P.A.

Date: December 14, 2004

By:

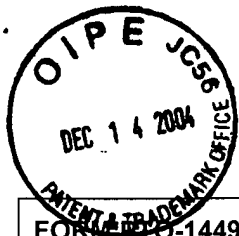
  
Richard E. Jenkins  
Registration No. 28,428

REJ/gwc

Enclosures

Customer No: 25297

1406/163



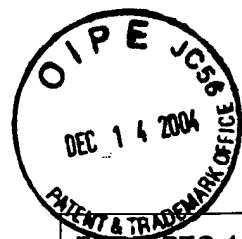
FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 1406/163	Serial No. 10/650,493
List of Documents Cited by Applicant		
	Applicant(s): Doerrer et al.	
	Filing Date: August 28, 2003	Group 2819

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing date if Appropriate
	1.	4,251,803	2/17/1981	Debord et al.			
	2.	5,117,234	05/26/1992	Shizawa			
	3.	5,550,544	8/27/1996	Sakiyama et al.			
	4.	5,805,093	9/08/1998	Heikkilä et al.			
	5.	5,896,101	4/20/1999	Melanson			
	6.	5,907,299	5/25/1999	Green et al.			
	7.	5,990,814	11/23/1999	Croman et al.			
	8.	6,331,833 B1	12/18/2001	Naviasky et al.			
	9.	6,426,714 B1	07/30/2002	Ruha et al.			

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Name of Patentee or Applicant	Translation Yes   No
	10.	WO 01/93430	12/06/2001	SE	SPIREA AB	Yes
	11.	WO 02/09292	1/31/2002	US	The Regents of the University of California	Yes



FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office  List of Documents Cited by Applicant		Attorney Docket No. 1406/163	Serial No. 10/650,493
		Applicant(s): Doerrer et al.	
		Filing Date: August 28, 2003	Group 2819
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	12.	European Search Report, June 3, 2004.	
	13.	Benabes et al., "A methodology for designing continuous-time sigma-delta modulators," <u>IEEE European Design and Test Conference</u> , 1997. (ABSTRACT)	
	14.	Cherry et al., "Continuous-Time Delta-Sigma Modulator for High Speed A/D Conversion," <u>Kluwar Academic Publisher</u> , pp. 75-103, 2000.	
	15.	Gao et al, "Excess loop delay effects in continuous-time delta-sigma modulators and the compensation solution," <u>Circuits and Systems</u> , 1997. (ABSTRACT)	
	16.	Hernandez, L., "Continuous-time sigma-delta modulators with reduced timing jitter sensitivity based on time delays," <u>Electronics Letters</u> , July 10, 2003. (ABSTRACT)	
	17.	Oliaei et al., "Jitter Effects in Continuous-Time Modulators with Delayed Return-to-Zero Feedback," <u>Electronics, Circuits and Systems</u> , pp. 351-354, 1998.	
	18.	Ramesh et al, "Sigma delta analog to digital converters with adaptive quantization," <u>Circuits and Systems</u> , 1997. (ABSTRACT)	

EXAMINER \_\_\_\_\_ DATE CONSIDERED \_\_\_\_\_

\*Examiner Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.